

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No. )

E

I

E-I

GR

GR-N

Micro

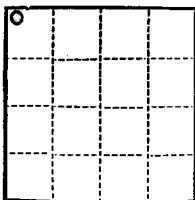
Lat

Mi-L

Sonic

Others

*Subsidual Report of Abandonment*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-083056  
Unit Castle Peak

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 18, 19 64

Well No. 6 is located 354 ft. from N line and 294 ft. from W line of sec. 27  
NW NW NW 27 9 S 16 E Salt Lake  
 (¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Duchesne Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. not available

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Estimated formation tops:

Uinta surface  
Green River 1303  
Wasatch 5945  
Estimated total depth 6050

Casing Program:

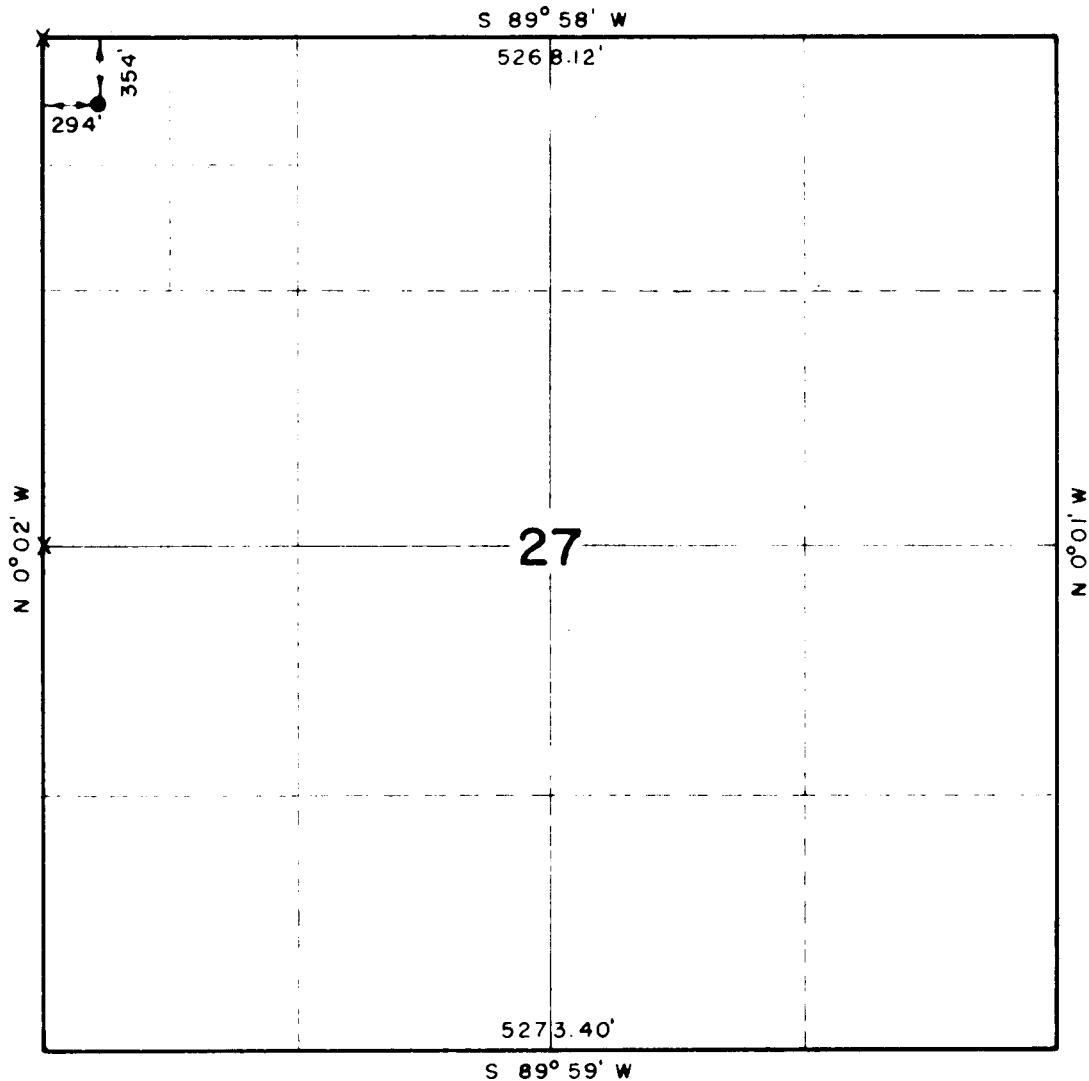
9-5/8" 32# casing set @ 200'  
Cement to circulate.  
5½" 14-15.5# casing set  
through all potential  
producing zones.

To test potential producing zones in the Green River formation.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation  
Address 870 First Security Building  
Salt Lake City, Utah, 84111  
By Robert L. Thomas  
Title District Geologist

# T9S, R16E, SLB&M



X = Corners Located (Brass Caps)

Scale: 1" = 1000'

*Referring to map 102*

By: UINTAH ENGINEERING & LAND SURVEYING  
Vernal, Utah

PARTY N. J. Marshall  
L. Kay

WEATHER Clear-Hot

**SURVEY**  
SHAMROCK OIL & GAS CORP. CASTLE PEAK # 6  
WELL LOCATION, LOCATED AS SHOWN IN THE  
NW1/4 NW1/4 NW1/4 OF SECTION 27, T9S, R16E,  
SLB&M, DUCHESNE COUNTY, UTAH

DATE 30 July, 1964  
REFERENCES GLO Plat  
Approved Sept. 23, 1911

FILE Shamrock

October 27, 1964

MEMO TO THE COMMISSIONERS:

CONFIDENTIAL

Re: SHAMROCK OIL & GAS CORPORATION  
Castle Peak Unit #6  
Sec. 27, T. 9 S., R. 16 E.  
Duchesne County, Utah

The above location was visited October 21, 1964.

The Miracle-Wooster Drilling Contractor was just in the process of "rigging up", and they will spud their rat hole sometime tonight. Mr. Burke Isbell, geologist for Shamrock, was recommended to convert to mud before encountering drilling depth of around 2000'. This would serve as a protection against a possible blowout. Mr. Isbell stated that he didn't think this was necessary since it would slow up the drilling time; however, the matter would be taken under advisement.

PAUL W. BURCHELL  
CHIEF PETROLEUM ENGINEER

PWB:pcp

cc: Rod Smith, District Engr.  
8416 Federal Bldg.  
Salt Lake City, Utah

Harvey L. Coonts, Pet. Engr.  
Box 266  
Moab, Utah

Casper A. Nelson  
Industrial Commission  
438 State Capitol Bldg.  
Salt Lake City, Utah

Ralph Thomas  
Shamrock Oil & Gas Corp.  
1st Security Bank Bldg.  
Salt Lake City, Utah



THE SHAMROCK OIL AND GAS CORPORATION

FIRST NATIONAL BANK BUILDING

BOX 631 - AMARILLO, TEXAS 79105

Salt Lake City, Utah, 84111

October 27, 1964

Reply to:  
Intermountain Exploration District  
First Security Bldg. Room 870  
Salt Lake City 11, Utah

Utah Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

Gentlemen:

Will you please hold confidential the information sent  
you on our Castle Peak Unit No. 6 well located in Section 27,  
Township 9 South, Range 16 East, Duchesne County, Utah.

Very truly yours,

Ralph Thomas  
District Geologist

RT:ls

LESSEE'S MONTHLY REPORT - (Production continued)

CASTLE PEAK UNIT

Sec. 15 9S 16E 5  
NW NW SW



Sec. 27 9S 16E 6 Spud 10-23-64. Set 9-5/8" casing at 200' with 200 sacks.  
NW NW NW Drilling at 3,485'.

Sec. 10 9S 16E 7  
SE SE



Oct-64  
CONFIDENTIAL

104 0 2 104

A blank 10x10 grid with a small circle in the top-left cell.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company The Shamrock Oil and Gas Corporation Address 870 First Security Bldg., Salt Lake City  
 Lessor or Tract Castle Peak Unit Field Wildcat State Utah  
 Well No. 6 Sec. 27 T. 9S R. 16E Meridian Salt Lake County Duchesne  
 Location 354 ft. NE of N. Line and 294 ft. E. of W. Line of Section 27 Elevation 6034  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Title Geologist

Date November 30, 1964

The summary on this page is for the condition of the well at above date.

Commenced drilling October 23, 1964. Finished drilling November 21, 1964.

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4913 to 4937 (tight) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

# REPORT IMPORTANT WATER SANDS

REPORT ALL INDICATIONS OF FRESH WATER  
R SANDS

No. 1, from none to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	200'	200			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

**FOLD | MARK**

### Drinking Water

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from -----0----- feet to -----6135----- feet, and from ----- feet to ----- feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_

Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----

## EMPLOYEES

\_\_\_\_\_, Driller

\_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1510	1510	red-gn sh, sd, & lime
1510	3100	1590	oil shale
3100	3950	850	sand, lime, dolomite
3950	5105	1155	gy sh, brn sh, sand
5105	6008	903	gy-blk sh, some sands
6008	6135	127	gy-gn-red shale
			<u>TOPS</u> Green River      1117' Wasatch          6008'

ROBINY LION BECKO-CONFIDENTIAL



HOLOGRAPHIC BRIDGE 7116181

PROBES

PROBES

BRIDGE AND PROBES

CAUTION: BRIDGE AND PROBES ARE TO BE USED ONLY FOR THE PURPOSES OF THE WELL LOGGING RECORD.

WELLING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

CAUTION: BRIDGE AND PROBES ARE TO BE USED ONLY FOR THE PURPOSES OF THE WELL LOGGING RECORD.

Spud 10-23-64. Set 9-5/8" csg @ 200' with 200 sx.

DST #1: 3901-3915. Op 30", SI 30", Op 60", SI 60". Had weak blo throughout test. Rec 1 qt oil and 10' drilling mud. No flow pressures, SIP 24-1128, HH 1771-1771.

DST #2: 4912-39. Misrun.

DST #2-A: 4912-39. Op 30", SI 30", Op 60", SI 60". Op w/wk blo; died in 15" of first flow, Op w/wk blo, died in 15" of second flow.

Recovered 15' OC drilling mud. FP 7-19, SIP 24-131, HH 2366-2343. Drilled to TD 6135'.

Complete 11-22-64.

Plugged and abandoned.

OIL OR GAS SANDS OR SOLIDS

Commenced drilling

The information on this card is for the completion of the well log and is not to be used for any other purpose.

Date

to the well can be determined from all available records.

The information given hereafter is a complete and correct record of the well and all work done thereon.

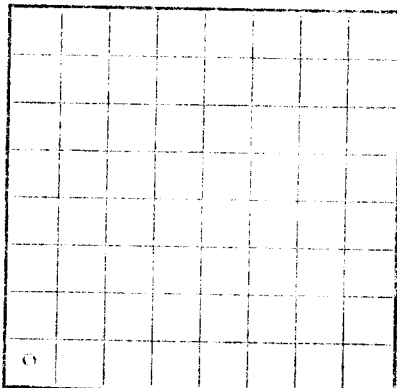
Location of well: [ ] of [ ] and [ ] of [ ]

Well No. [ ] Section [ ] Block [ ] Township [ ] Range [ ]

Owner of land: [ ]

Company: [ ]

LOCATE WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR TURN TO PROSPECT

MINERAL INTEREST

IF A LAND OFFICE

PROSPECT NUMBER [ ]

*[Handwritten signature]*

SH  
LESSEE'S MONTHLY REPORT OF OPERATIONS (continued)  
CASTLE PEAK UNIT

Sec. 27	9S	16E	6	DST #1: 3901-3915. Op 30 min., SI 30 min., Op 60 min., SI 60 min. Had wk blo thruout test. Recovered 1 qt oil and 10' drilling mud. No flow pressures, SIP 249-1128, HH 1771-1771. DST #2: 4912-39 - misrun. DST #2-A: 4912-39. Op 30 min., SI 30 min., Op 60 min., SI 60 min. Op w/wk blo, died in 15 min. of first flow, op w/wk blo, died in 5 min. of second flow. Rec 15' OC drilling mud. FP 7-19, SIP 94-131, HH 2366-2348. Drilled to TD 6135'. Completed 11-22-64. Plugged and abandoned.
NW NW NW		Castle Peak	Unit	
Sec. 10	9S	16E	7	DST #1: 4949-67. Op 30 min., SI 30 min., Op 90 min., SI 60 min. Had very wk blo. Recovered 60' very sli OCM. No flow pressures. SIP 89-104, HH 2970-2955. Drilled to TD 5305'. Set 5½" casing at 5105' with 350 cubic feet 50-50 pozmix. Perforated at 4956, 4966, and 5001 with 3-way jets ½" holes. Preparing to frac.
SE NE		Castle Peak	Unit	

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Castle Peak Unit No. 6

Operator The Shamrock Oil and Gas Corp. Address Salt Lake City Phone 328-0165

Contractor Miracle and Wooster Address Vernal Phone 789-2661

Location: NW 1/4 NW 1/4 Sec. 27 T. 9 N R. 16 E Duchesne County, Utah.  
S N

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	<u>None</u>		
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

<u>Formation Tops:</u>	Green River	1117
	Basal Green River	3723
	Douglas Creek	4486
	Wasatch	6008

Remarks:

**NOTE:** (a) Upon diminishing supply of forms, please inform the Commission  
(b) Report on this form as provided for in Rule C-20, General Rules  
and Regulations and Rules of Practice and Procedure. (See back of form)

Drillers Log: (C ad)

0 - 1510	sh, sd, ls
1510 - 3100	oil sh
3100 - 3950	sd, ls, dolo sh
3950 - 5105	sh, sd
5105 - 6008	blk sh, sd
6008 - 6135	gy-gn-red sh

**Rule C-20 REPORTING OF FRESH WATER SANDS**

It shall be the duty of any person, operator or contractor drilling an oil or gas well or drilling a seismic, core or other exploratory hole to report to the Commission all fresh water sands encountered; such report shall be in writing and give the location of the well or hole, the depth at which the sands were encountered, and the thickness of such sands, and the rate of flow of water if known.

MAR 12 1965

July 6, 1965

Shamrock Oil and Gas Corporation  
870 First Security Building  
Salt Lake City, Utah 84111

Re: Well No. Castle Peak Unit #6,  
Sec. 27, T. 9S., R. 15E.,  
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Abandonment and Plugging of the above mentioned well is due and has not been filed with this Commission as required by Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

Thank you for your attention to this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER  
RECORDS CLERK

kgw

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT **DUPLICATE\***  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-083056

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Castle Peak Unit

8. FARM OR LEASE NAME

Castle Peak Unit

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 27, T9S, R16E  
Salt Lake Meridian

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☐ GAS ☐  
WELL WELL OTHER

2. NAME OF OPERATOR

The Shamrock Oil and Gas Corporation

3. ADDRESS OF OPERATOR

Box 11608, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface 354' from North line and 294' from west line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6024 Gr 6036 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plugged as follows: 30 sacks cement 4875-4965  
30 sacks cement 3880-3960  
30 sacks cement 1400-1490  
30 sacks cement 160-240  
10 sacks cement surface

Drilling mud between all plugs.  
TD 6135'.

Completed as plugged and abandoned November 22, 1964.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

District Geologist

DATE

July 8, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: